

FIGURE 1

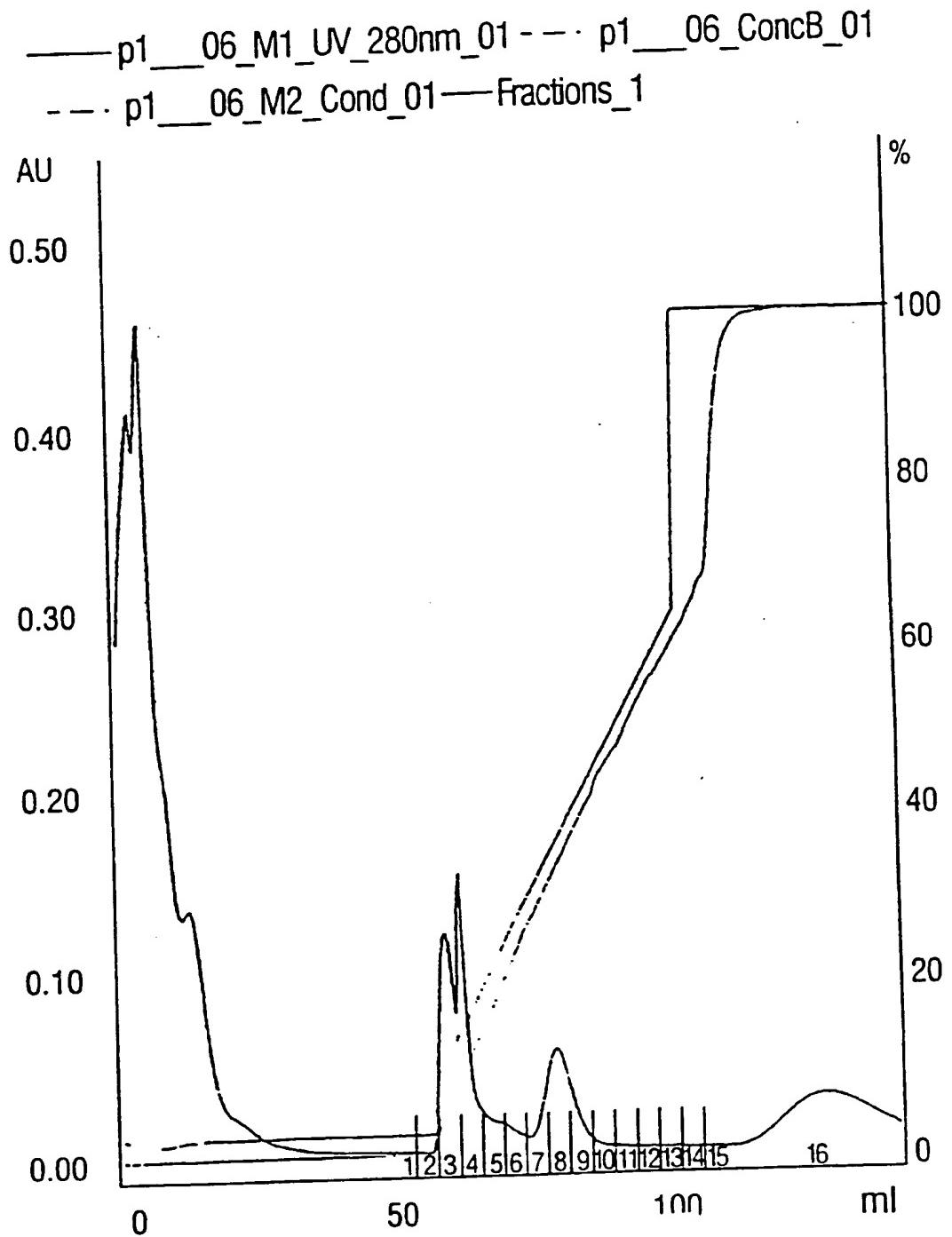


FIGURE 2

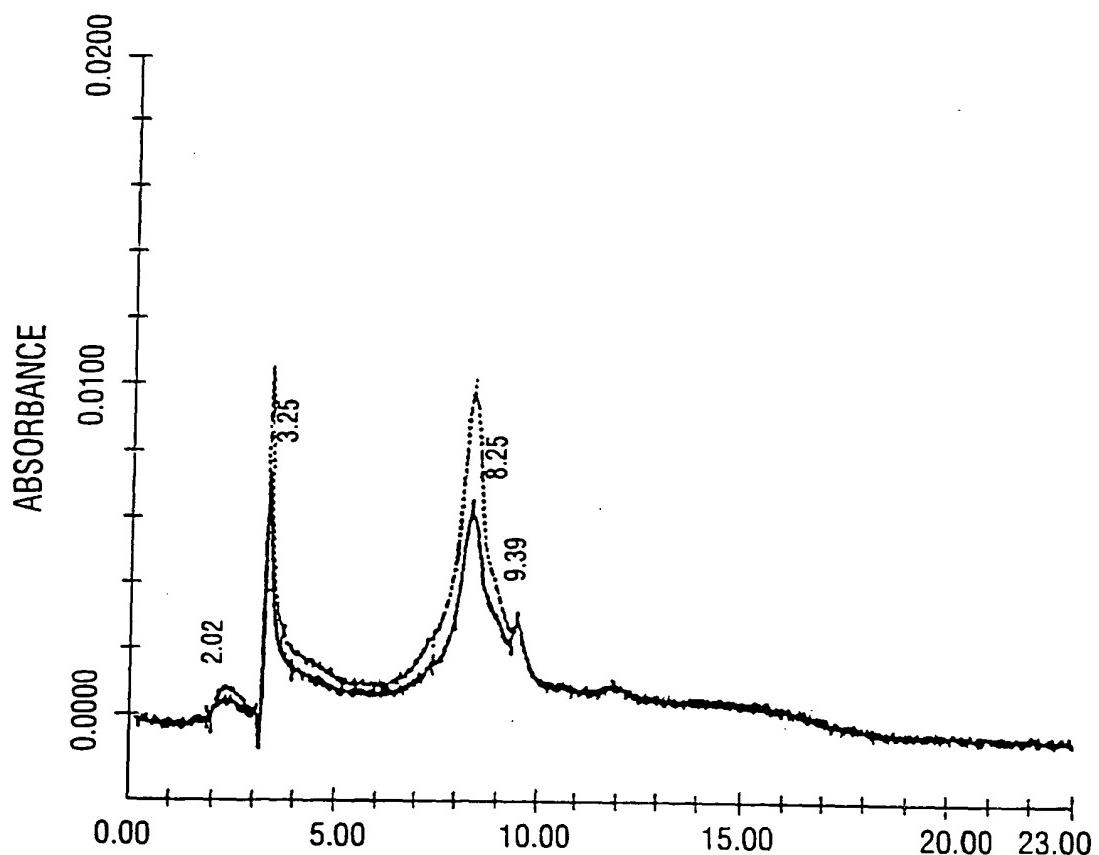


FIGURE 3A

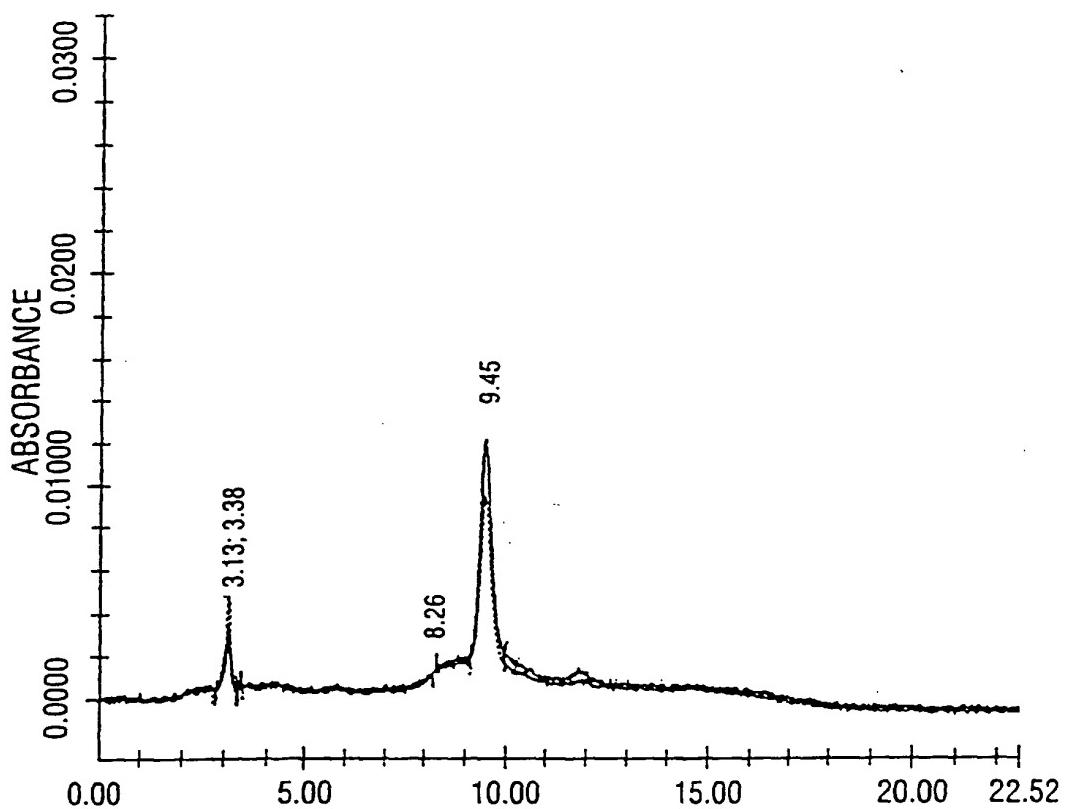


FIGURE 3B

Title: *Chromatographic Methods for Adenovirus Purification*

Inventor: Joseph Senesac

Docket No.: 29853/37704A

Nabeela R. McMillian - 43,363

Sheet 5 of 12 (Figure 3C)

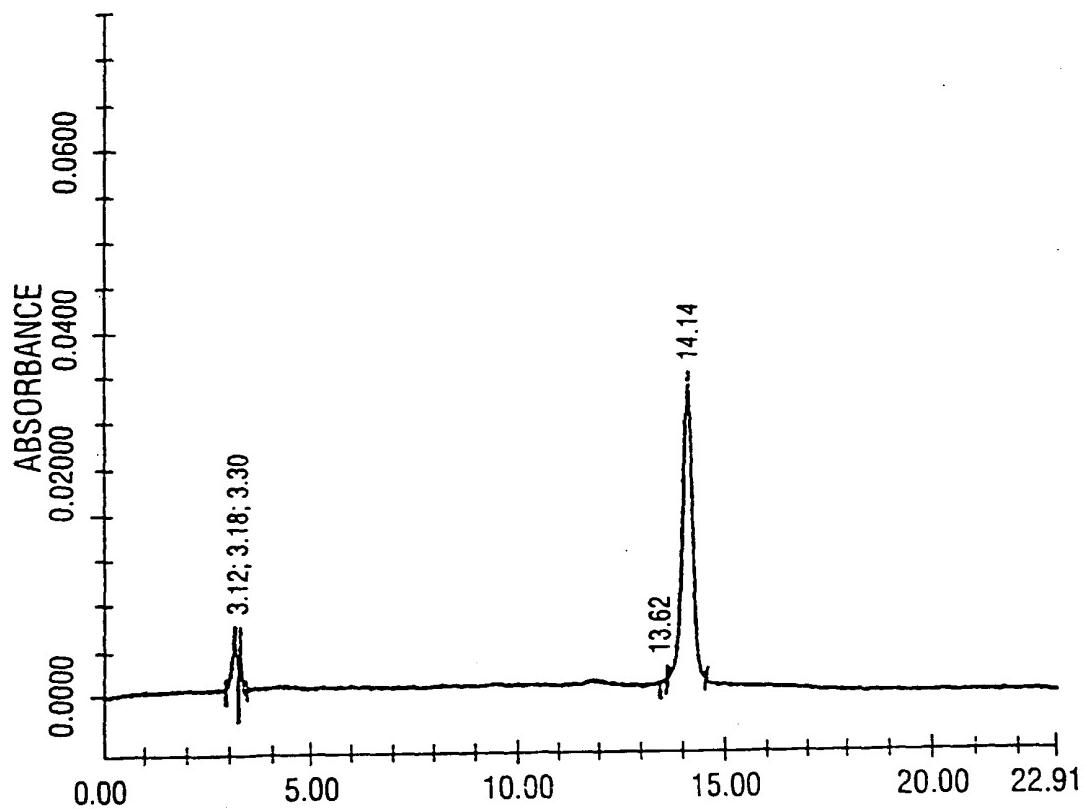


FIGURE 3C

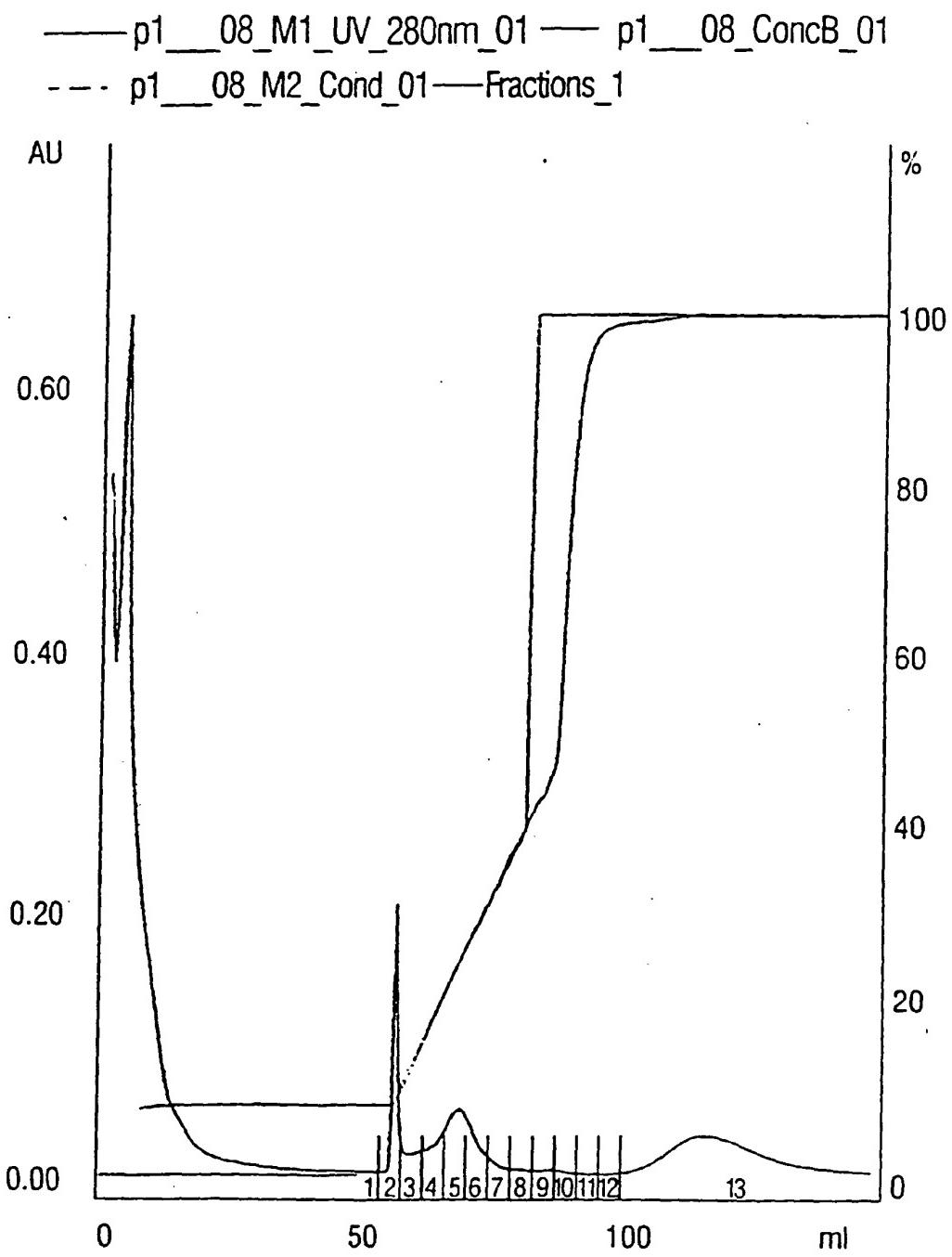


FIGURE 4

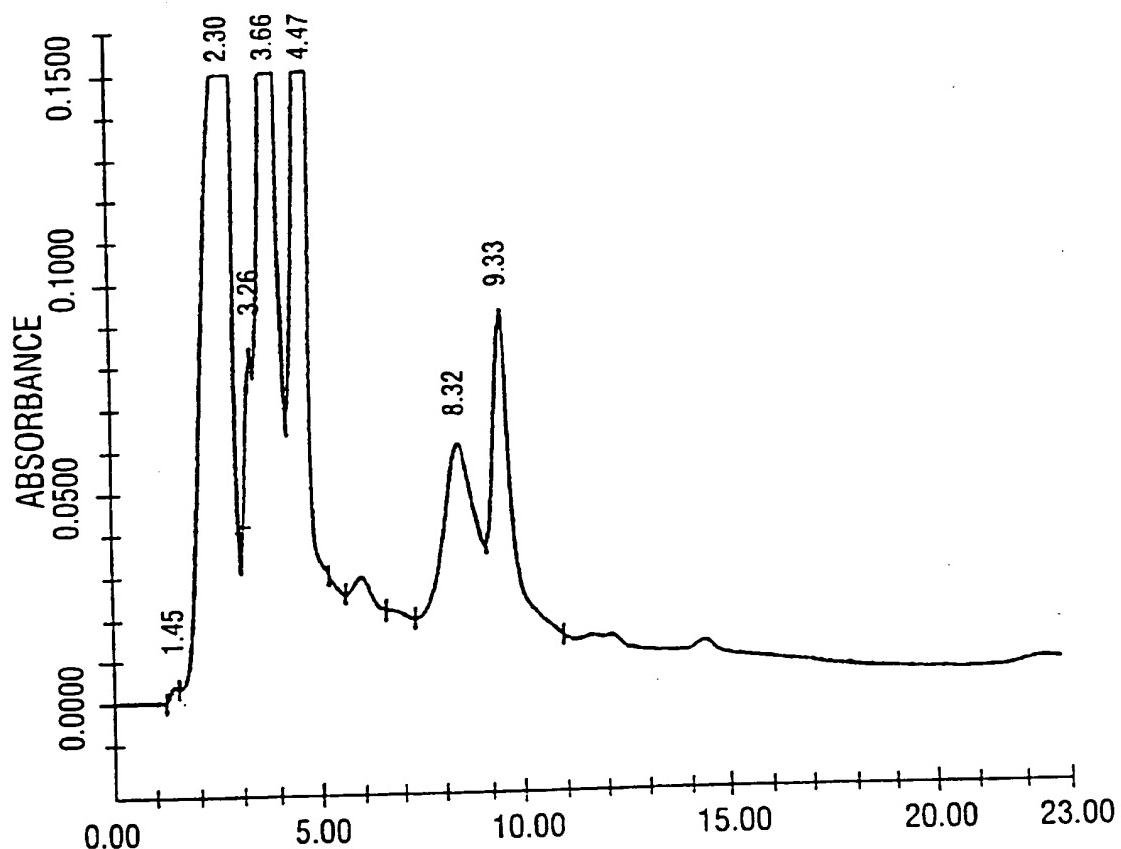


FIGURE 5A

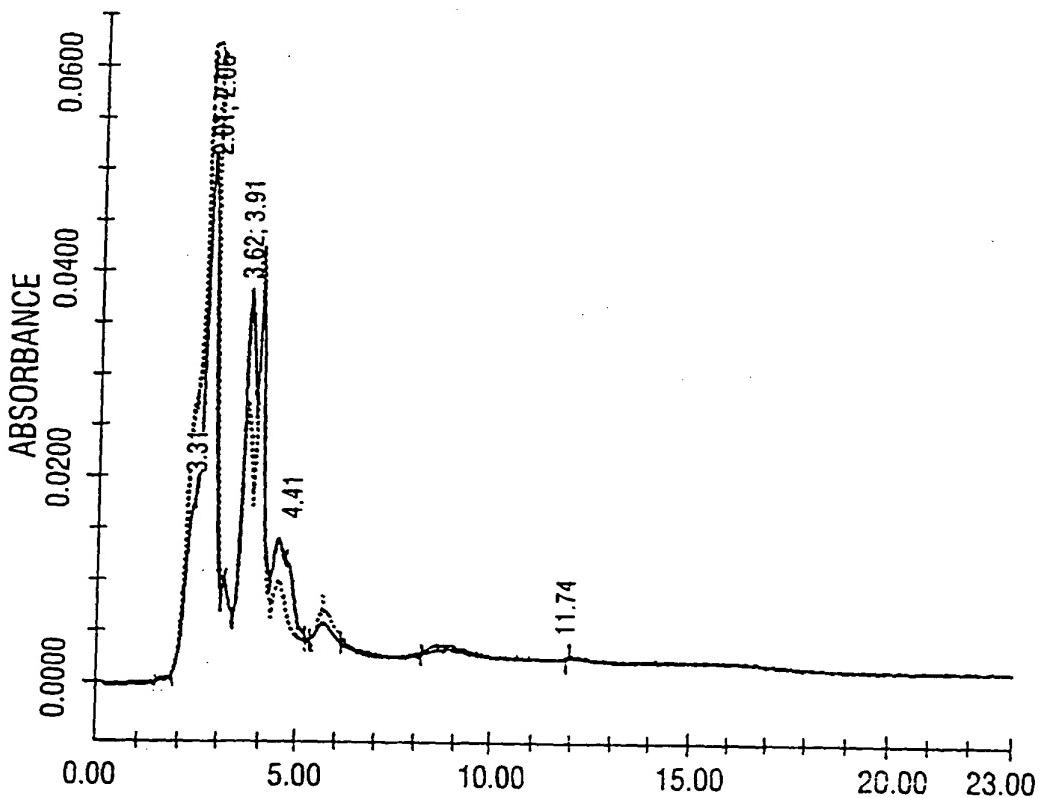


FIGURE 5B

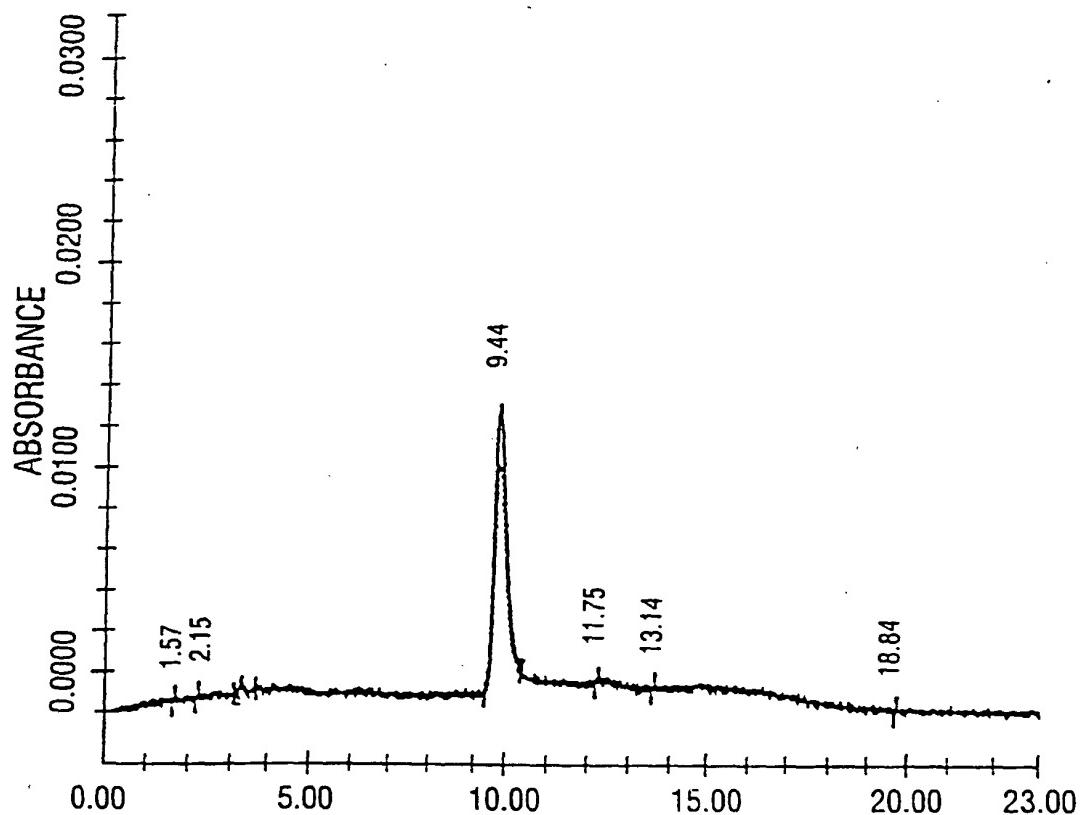


FIGURE 5C

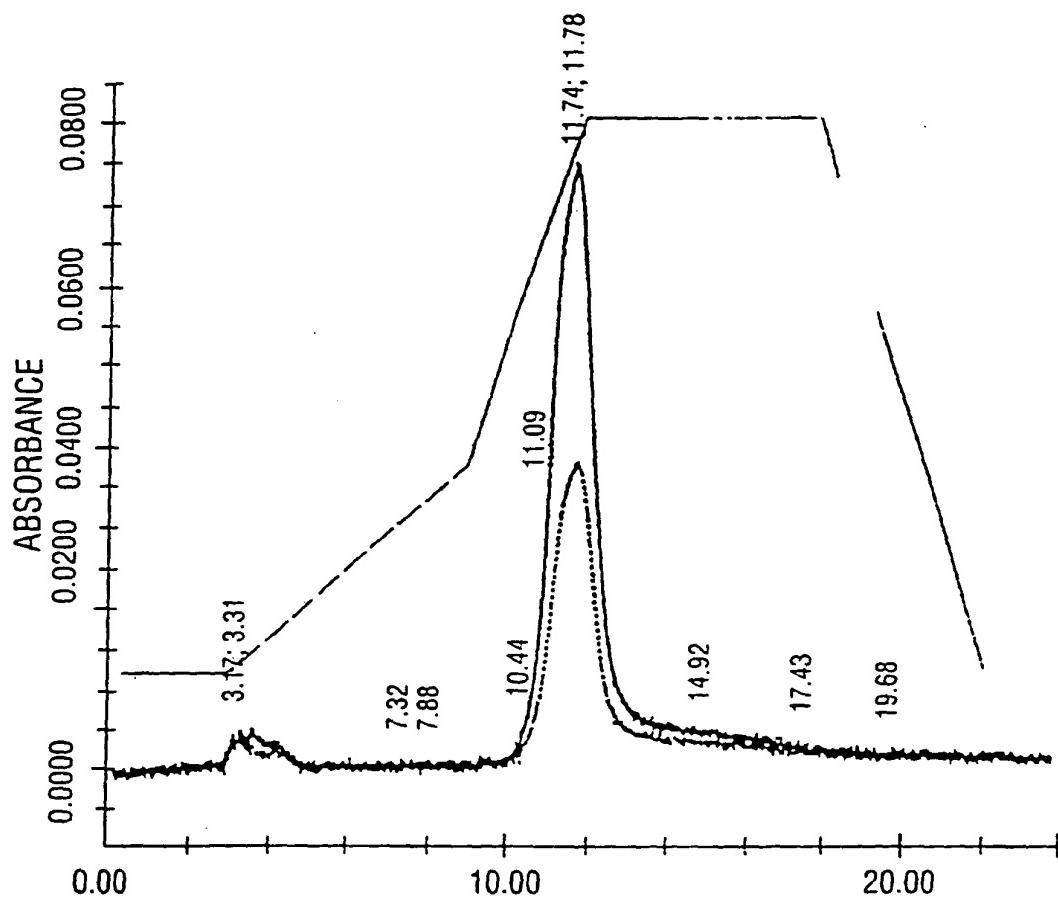


FIGURE 5D

Title: *Chromatographic Methods for Adenovirus Purification*

Inventor: Joseph Senesac

Docket No.: 29853/37704A

Nabeela R. McMillian - 43,363

Sheet 11 of 12 (Figure 5E)

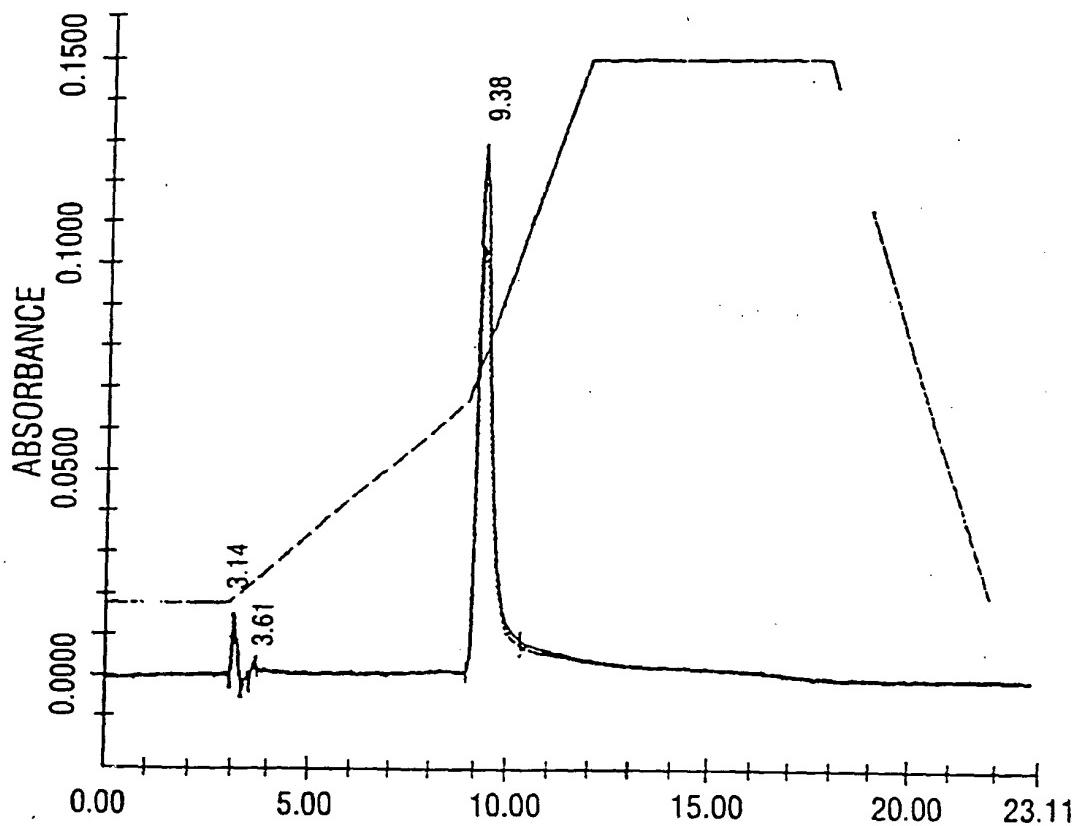


FIGURE 5E

	TILTER (PFU/ML)	VOL. (ml)	YEILD (PFU)	RECOVERY (%)	STEP ACC.
CUBE (LOW PERFUSION RATE ↓ KEEP GLUCOSE>1g/L) ↓ 1% TWEEN-20 BUFFER A					
HARVEST ↓ CLARIFICATION AND ↓ FILTRATION (0.22 UM)					
VIRUS SOLUTION		2.6x10 ⁹	1900	4.9x10 ¹²	
CONC./DIAF. ↓ (10-FOLD CONC., DIAF ↓ INTO 1M NaCl BUFFER A		2.5x10 ¹⁰	200	5x10 ¹²	102%
CONC. SUP ↓ BENZONASE TREATMENT ↓ (O/N, RT, 100u/ml)					
TREATED SUP ↓ DILUTED WITH WATER TO CONDUCTIVITY = ↓ 22-25 mS/cm		7x10 ⁹	700	4.9x10 ¹²	98% 100%
DILUTED VIRUS SOLUTION		1.5x10 ¹⁰	240	3.6x10 ¹²	73% 73%
PURIFIED VIRUS ↓ CONC./DIAF ↓ (5-FOLD CONC)		7x10 ¹⁰	50	3.5x10 ¹²	97% 71%
FINAL PURIFIED PRODUCT					

FIGURE 6